

Western **FluidDyne™**

Replacement Pumps & Parts

A10V / VSO18, 28, 45, 71, 100 & 140

- 18, 28, 45, 71, 100 & 140 frame sizes available
- Industrial & mobile, single & thru shaft models, A10V / AA10V
- DR, DFR, DRG, DFLR, DFR1 Controls
- Same Day shipment of units or parts orders
- SAE & Metric Units



www.wfdyne.com

Email: sales@westernfluidyne.com

Western FluidDyne™



Our Promise: People make the difference

Western FluidDyne sources from some of the world's newest progressive and technically advanced manufacturers. We are able to consistently produce high quality remanufactured Vickers, Racine, Denison, Oil Gear, Char-Lynn, and Rexroth pumps, motors, and valves. We also carry a complete line of New FluidDyne products to replace Vickers, Racine, Char-Lynn and Rexroth units in OEM and user applications. These products are interchangeable in fit, form and function and are backed by over thirty years of hydraulic application, service and manufacturing experience.

Western FluidDyne is one of the very few hydraulic remanufacturing facilities in the world with ISO 9001 certification. We approach your technical problems, shipment demands and cost challenges in the simplest way possible. We don't stand on formality but work within our entire

system to get you what you need when you need it. We consider ourselves your inside technical support group and our people will go out of their way to meet your needs.

We maintain a massive inventory with a machining, finishing, assembly, and quality control operation in Fraser, MI. Our units and parts inventory allow us to ship a wide range of standard and modified products "same day". Prior to shipment, products undergo a complete documented pressure and flow performance test. These test results are printed on the bottom of your packing list and all products are given a 18 month warranty. One of the reasons customers buy from Western FluidDyne is our consistent high quality (one of the lowest return rates in the industry) and because we provide:

- **New FluidDyne and Remanufactured Products**
- **Outstanding Customer Service**
- **Custom Proprietary software allows immediate & accurate technical support, quoting, order entry & bill of material information**
- **18 month warranty**
- **Standard & Modified Products**
- **Extensive Michigan Inventory**
- **Twelve test stands that allow for quick 100% testing of all units shipped**
- **ISO Certified**
- **End Customer Protection**
- **Performance you have come to expect**
- **Blind Drop Shipments**



www.wfdyne.com

Model Codes

SAMPLE CODE: (A)A10V(S)O 28 DFR 31 L P K C 62 NOO

Model
Swash Plate Design Variable Dis-
placement
Open Circuit Industrial
SAE & Metric Version

Size

18	1.1 in. 3/rev
28	1.71 in. 3/rev
45	2.75 in. 3/rev.
71	4.33 in. 3/rev.
100	6.10 in. 3/rev.
140	8.54 in. 3/rev.

Control Devices

DFR	Pressure Flow Control
DFR1	Pressure Flow Control without Vent Orifice
DR	Pressure Control
DFLR	Pressure, Flow, and Power Control
DRG	Remote Pressure Control

Series

31	Model 31
52	Model 52

Rotation

R	Right Hand - Clockwise
L	Left Hand - Counter Clockwise

Seals

P	Buna
V	Viton

Thru Drive
No Thru Drive — NOO
Thru Drive — K**

**Other Options Available

Service Ports

SAE Thread Rear Ported	64
SAE Flange Rear Ported	61
SAE Flange Rear Ported Metric Threads	11
SAE Flange Side Ported Metric Threads	12
SAE Flange Side Ported	62
SAE Flange Side Ported	92
SAE Flange Rear Ported	91

Mounting Flange

SAE "A" 2 Bolt Mount Size 18	C
SAE "B" 2 Bolt Mount Size 28 & 45	C
SAE "C" 2 Bolt Mount Size 71 & 100	C
SAE "D" 4 Bolt Mount Size 140	D

Shafts							
Type	18	28	45	71	100	140	
Keyed	3/4"	7/8"	1"	1-1/4"	1-1/2"	1-3/4"	K
Splined	3/4"	7/8"	1"	1-1/4"	1-1/2"	1-3/4"	S
Splined "S"-Reinforced	3/4"	7/8"	1"	1-1/4"	--	--	R
Splined Non-Thru Drive	5/8"	--	7/8"	--	1-1/4"	--	U
Splined "U"-Reinforced	--	--	7/8"	--	1-1/4"	--	W
Keyed Metric	18mm	22mm	25mm	32mm	40mm	45mm	P



Thru Drive

With thru-drive, side porting only

Coupling Ordered Separately

K**	Rear Mounting Flange	Shaft Coupling	For mounting of 2nd pump:	
			(A)A10V.../31...	A10V.../52...
K01	82-2 (SAE A)	16-4 (SAE A)	A10V-18 (U-shaft)	-
K52	82-2 (SAE A)	19-4 (SAE A-B)	A10V-18 (S/R-shaft)	A10V-10 (S)
K02	101-2 (SAE B)	22-4 (SAE B)	A10V-28 (S/R-shaft)	A10V-28 (S)
K68	101-2 (SAE B)	22-4 (SAE B)	A10V-28 (S/R-shaft) A10V-45 (U)	A10V-28 (S/R) 45 (U/W)
K04	101-2 (SAE B)	25-4 (SAE B-B)	A10V-45(S/R-shaft)	A10V-45 (S/R) A10V-60 (U/W)
K07	127-2 (SAE C)	32-4 (SAE C)	A10V-71 (S/R-shaft) A10V100 (U)	A10V-85 (U/W)
K24	127-2 (SAE C)	38-4 (SAE C-C)	A10V100 (S-shaft)	A10V-85 (S)
K17	152-4 (SAE D)	44-4 (SAE D)	A10V140 (S-shaft)	-
K40	82-2 (SAE A)	Keyed (SAE A)	A10V18 (K-shaft)	A10V-10 (K)
K03	101-2 (SAE B)	Keyed (SAE B)	A10V-28 (K-shaft)	A10V-28 (K)
K05	101-2 (SAE B)	Keyed (SAE B-B)	A10V-45 (K-shaft)	A10V-45 (K) 60 (K)
K08	127-2 (SAE C)	Keyed (SAE C)	A10V-71 (K-shaft)	-
K38	127-2 (SAE C)	Keyed (SAE C-C)	A10V100 (K-shaft)	A10V-85 (K)
K21	152-4 (SAE D)	Keyed (SAE D)	A10V140 (k-shaft)	-

OUR
PEOPLE
MAKE THE
DIFFERENCE



Precision Built and Totally Interchangeable

Variable displacement axial piston pumps are designed for open loop hydraulic systems. Flow is proportional to the drive speed by adjusting the position of the swash plate, it is possible to smoothly vary the flow.

Performance Data

(A) A10V / VSO 18-140, Series 31

Size	18	28	45	71	100	140
Pressure	4000 PSI 280 BAR	4000 PSI 280 BAR	4000 PSI 250 BAR	4000 PSI 280 BAR	4000 PSI 280 BAR	4000 PSI 280 BAR
Peak Pressure	5100 PSI 350 BAR	5100 PSI 350 BAR	5100 PSI 315 BAR	5100 PSI 350 BAR	5100 PSI 350 BAR	5100 PSI 350 BAR
Displacement IN. 3/REV	1.1 CU. IN.	1.71 CU. IN.	2.75 CU. IN.	4.33 CU. IN.	6.10 CU. IN.	8.54 CU. IN.
Maximum Flow	15.7 GPM 59.4 Liters	22 GPM 84 Liters	31 GPM 117 Liters	41 GPM 156 Liters	53 GPM 200 Liters	67 GPM 252 Liters
Maximum Speed	3300 RPM	3000 RPM	2600 RPM	2200 RPM	2000 RPM	1800 RPM

Performance Data

(A) A10V / VSO 28, 45 Series 52

Size	28	45
Pressure	3600 PSI 280 BAR	3600 PSI 250 BAR
Peak Pressure	4600 PSI 350 BAR	4600 PSI 315 BAR
Displacement IN. 3/REV	1.71 CU. IN.	2.75 CU. IN.
Maximum Flow	22 GPM 84 Liters	31 GPM 117 Liters
Maximum Speed	3000 RPM	2600 RPM



Replacement Parts & Features

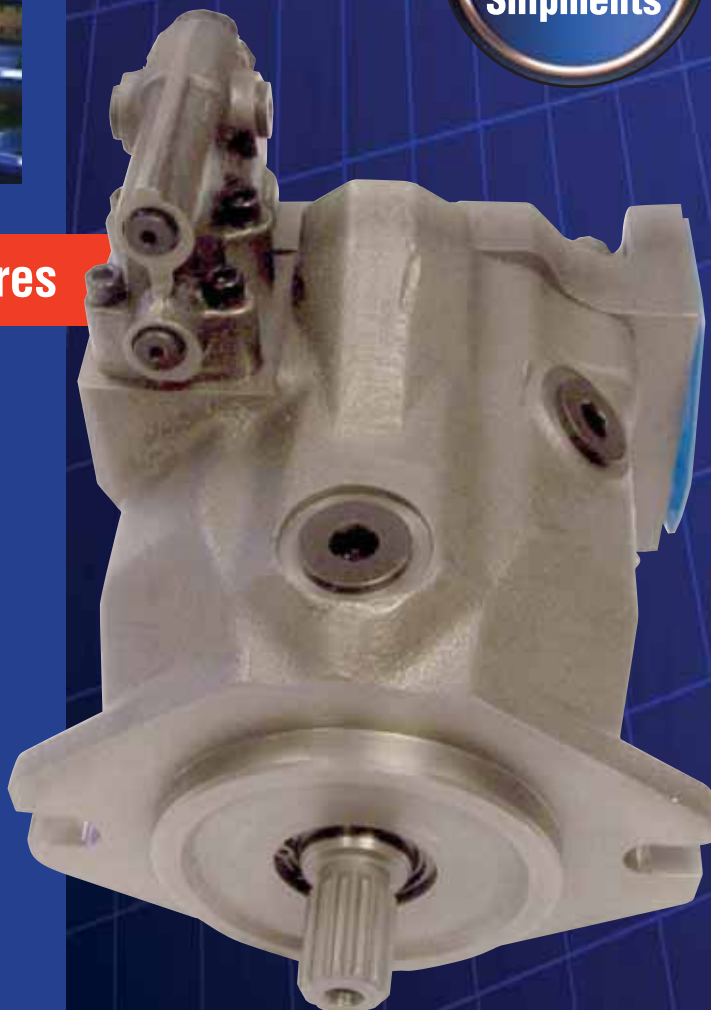
Features Include:

- Maximum Stop Adjustment
- Long Service Life
- Low Noise Level
- Wide Range of Controls
- SAE Metric Mounting Flange and Shafts
- Two Case Drain Connections
- Continuous Operation Pressure 4000 PSI (280 Bar)

Parts List:

- Rotating Groups
- Shafts
- Seal Kits
- Lens Plates
- Bearing Kits
- Cradles

We carry a complete line of remanufactured Rexroth A10V pumps. These units provide an alternative to expensive redesign projects, they are tested to meet OEM specifications (providing a long service life) and are ready for immediate shipment.



PUMPS & MOTORS

VICKERS / EATON

▲ Genuine WFD

■ Remanufactured products

● Aftermarket

◆ Veljan

VHO / VQ Single, Double & Triple

- ▲ ■ 20,25,30,35,40,45 (V/VQ)
- ▲ ■ 2520, 2521, 3520, 3525, 4520, 4525, 4535 (V/VQ)
- ▲ ■ Cart Kits available for all sizes

**Caterpillar part numbered pumps also available*

Round Pumps

- V104/5, V108/9, V110/1, V124/5, V128/9, V134/5
- V144/5, V148/9, V350/3/6, V360/1/2, V368/9/70
- VC108, 138, 148 Combination Pumps

Motors

- MHT 32, 50, 70, 90, 150, 250, 330, 440
500, 660, 750, 1000
- ▲ ■ 25M, 26M, 35M, 36M, 45M, 46M, 50M

Square Pumps

- ▲ ■ V10F, V10NF, V10P, V20F, V20NF, V20P
- ▲ ■ V10, V20, V2010, V2020

Piston Pumps

- ▲ ■ PVH 57, 74, 98, 131, 141
- ▲ ■ PVE 12, 19, 21, 27, 35, 47, 62
- MVE 12, 15, 19, 21
- MFE 15, 19
- ▲ ■ (M) PVB / (M) FB 5, 6, 10, 15, 20, 29, 45, 90

Transmissions

- TA, 15, 19, 1919, 19V

RACINE/BOSCH

- ▲ ■ PSV 10, 15, 20, 25, 40
- ▲ ■ PSV 80, 100
- ■ PVF, PVQ, PVR
- ■ PVK, PVT, PVS
- VPV

REXROTH

- ▲ ■ A10V (S) 018
- ▲ ■ A10V 28, 45, 71, 100, 140

OILGEAR

- PVW (W) (H) 06, 10, 15, 20, 34, 45, 60

VALVES

Pressure Controls

- X (C) G or T 03, 06, 10
- ▲ ■ DGM STAK

Check Valves

- ▲ ■ CG5
- 4CT, 4CG
- DT8P1
- ▲ ■ Sandwich, flow, pressure and
Check Modules for D03 & D05

Directional Valves

- ▲ ■ D03-DG4V3, D05, D07
- ▲ ■ D08-DG5S4, DG5S8
- ▲ ■ DG17S/V 03, 06

Needle Valves

- ▲ ■ 1/8, 1/4, 3/4, 1 1/2

Relief Valves

- ▲ ■ CT/CG/CS/CF 03, 06, 10

CHAR-LYNN

- ▲ H Series
- ▲ S Series
- ▲ 2000, 10,000 Series
- ▲ 4000, 6000 Series

DENISON

- T6, T7, T67
- M4C, M4D, M4E
- PV 6, 10, 15, 20, 29

VELJAN

- ◆ VT6C, VT6D, VT6E, T7, T67
- ◆ VT6CC, VT6DC, VT6EC, VT6ED
- ◆ VM4C, VM4D

FILTERS

WFD has a full range
of replacement filter
elements and filter
housings for:

- Pall
- Schroeder
- Hycon
- Hydac
- Vickers
- Parker

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